

CHAPTER 4

POINT AND NONPOINT SOURCE CHARACTERIZATION OF THE CLEAR FORK OF THE CUMBERLAND RIVER WATERSHED

4.1 Background.

4.2. Characterization of HUC-10 Subwatersheds

4.2.A. 0513010104 (Yellow Creek)

4.2.B. 0513010105 (Clear Fork Creek)

4.2.C. 0513010106 (Hickory Creek)

4.2.D. 0513010107 (Jellico Creek)

4.2.E. 0513010108 (Marsh Creek)

4.1. BACKGROUND. This chapter is organized by HUC-12 subwatershed, and the description of each subwatershed is divided into four parts:

- i. General description of the subwatershed
- ii. Description of point source contributions
 - ii.a. Description of facilities discharging to water bodies listed on the 2004 303(d) list
- iii. Description of nonpoint source contributions

The Tennessee portion of the Clear Fork of the Cumberland River Watershed (HUC 05130101) has been delineated into five HUC 10 (10-digit) subwatersheds, each of which is composed of one or more HUC-12 subwatersheds.

Information for this chapter was obtained from databases maintained by the Division of Water Pollution Control or provided in the WCS (Watershed Characterization System) data set. The WCS used was version 2.0 (developed by Tetra Tech, Inc for EPA Region 4) released in 2003.

WCS integrates with ArcView® v3.x and Spatial Analyst® v1.1 to analyze user-delineated (sub)watersheds based on hydrologically connected water bodies. Reports are generated by integrating WCS with Microsoft® Word. Land Use/Land Cover information from 1992 MRLC (Multi-Resolution Land Cover) data are calculated based on the proportion of county-based land use/land cover in user-delineated (sub)watersheds. Nonpoint source data in WCS are based on agricultural census data collected 1992–1998; nonpoint source data were reviewed by Tennessee NRCS staff.

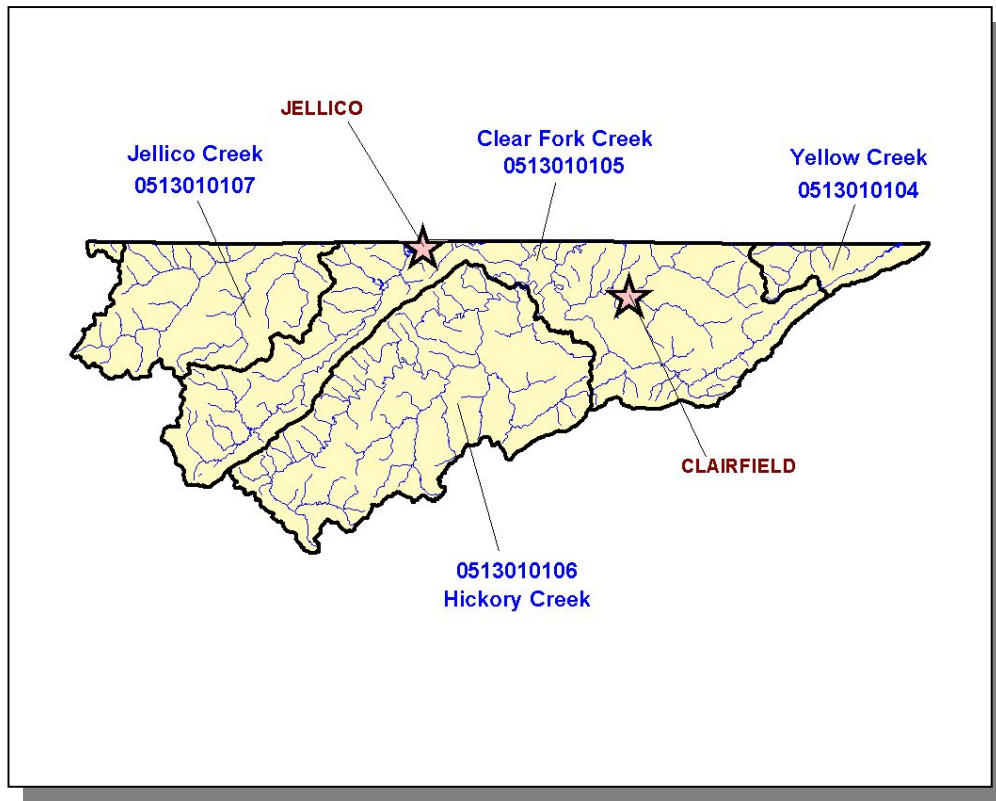


Figure 4-1. The Tennessee Portion of the Clear Fork of the Cumberland River Watershed is Composed of Five USGS-Delineated Subwatersheds (10-Digit Subwatersheds). Locations of Clairfield and Jellico are shown for reference.

4.2. CHARACTERIZATION OF HUC-10 SUBWATERSHEDS. The Watershed Characterization System (WCS) software and data sets provided by EPA Region IV were used to characterize each subwatershed in the Tennessee portion of the Clear Fork of the Cumberland River Watershed.

HUC-10	HUC-12
0513010104	051301010401 (Yellow Creek)
0513010105	051301010501 (Clear Fork Creek)
	051301010502 (Tackett Creek)
	051301010503 (Clear Fork Creek)
	051301010504 (Laural Creek)
	051301010505 (Mud Creek)
	051301010506 (Elk Fork Creek)
0513010106	051301010601 (Hickory Creek)
	051301010602 (Stinking Creek)
	051301010603 (Hickory Creek)
0513010107	051301010701 (Jellico Creek)
0513010108	051301010801 (Marsh Creek)

Table 4-1. HUC-12 Drainage Areas are Nested Within HUC-10 Drainages. NRCS worked with USGS to delineate the HUC-10 and HUC-12 drainage boundaries.